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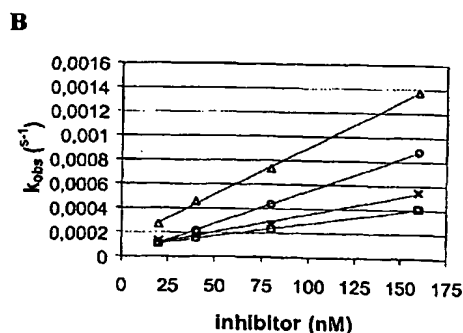
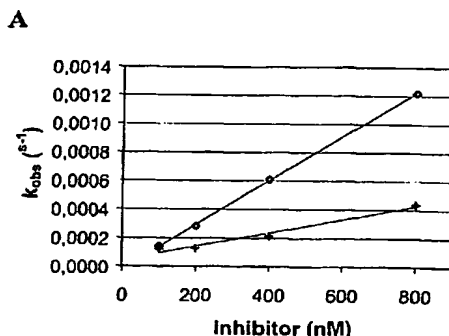
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(54) Title: INHIBITOR PROTEINS OF A PROTEASE AND USE THEREOF



(57) Abstract: The present invention relates to a chimeric inhibitor protein of a protease comprising an inhibiting polypeptidic sequence and at least one polypeptidic sequence of a substrate-enzyme interaction site specific for a protease. Other objects of the invention are to provide a purified and isolated DNA sequence encoding the chimeric inhibitor protein of a protease, an expression vector characterized in that it comprises said purified and isolated DNA sequence, a eukaryotic or prokaryotic host cell transformed with this expression vector and a method of producing a chimeric inhibitor protein.

INTERNATIONAL SEARCH REPORT

International Application No

PCT/IB2004/001040

A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 C12N15/09 C12N15/15 C12P21/02 C12N9/64

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

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Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the International search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, Sequence Search

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 5 827 662 A (COOPERMAN BARRY ET AL) 27 October 1998 (1998-10-27) column 6, lines 48-67, Table I and II and claims 1-6	1-3,5, 7-9,12, 14-17, 23,25, 26, 28-36,38
X	WO 95/27053 A (UNIV PENNSYLVANIA) 12 October 1995 (1995-10-12) page 4, first paragraph, page 14, last paragraph ----- -/-	1-3,5, 7-9,12, 14-17, 23,25, 28-36,38

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	JANCIAUSKIENE S: "Conformational properties of serine proteinase inhibitors (serpins) confer multiple pathophysiological roles" BIOCHIMICA ET BIOPHYSICA ACTA. MOLECULAR BASIS OF DISEASE, AMSTERDAM, NL, vol. 1535, no. 3, 26 March 2001 (2001-03-26), pages 221-235, XP004277055 ISSN: 0925-4439 the whole document	1-38
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